

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	-
PO039872	MES002- VC	1	1			17-4 SS H900 Round Bar 2.000"": M174PH- H900R0.500 MATERIAL: 17- 4 PH COND. H900 AS PER AMS 5643				12	5/25/2018	13		S074804	Stock	5/26/2018	\$ 103.80 / ft	0		S
		2			1.250X2.000	AISI 4140 Steel Bar: MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395				6		6		\$074805	Stock	5/26/2018	\$ 29.50 / ft	0		
			-						Total:	18		19								\$1.

Plex 5/26/2018 7:31 AM Dart Dubois Pascal

Shipping Order

24/05/2018

METAJX SOLUTIONS INC

2625 BOUL JACQUES CARTIER EST LONG JEUIL, QUEBEC

DART AEROSPACE LTD 1270, ABERDEEN STREET

HAWKESBURY, ONTARIO

J4N 1'_7

Tel.: 450 641-3330

Customer: 6323336

K6A 1K7

Reference Bid

Order

: 135179 : 39872 : 27379

Ship

: PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
	****** FACTURER E-MAIL ******* SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	******* FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	******* FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N		/	
SR2174	17-4PH ROU 2" DIA H900	12.5	12.5	_0
	1 X 12'6"			
	HT:SH0401-DWA41			
MP11441H	4140 HTSR PLATE 1.250" THICK	60	60	_6
	1 X 2" X 72"			
	HT: PM94731			

ship journey collect

jp

Shipping	:	Ref. : 11/00/
Package No		7
Marchandisa	Received:	



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO039872

Tel (613) 632-5200

Supplier:

MES002-VC

Metaux Solutions

2625 boul Jacques-Cartiier Est

Longueuil QC

J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044

PO No:

PO039872

PO Date:

5/11/18 5/18/18

Due Date: **Purchase Order**

Revision:

Revision Date:

Ship-To Contact: Phone:

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground Net 30

Pymt Terms: Freight Terms:

Special Comments: BID NO 27379

Items

Line Item	E	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	E = 0 400	Unit Price (CAD)	Extended Price
1	M17-4-H900- R2.000		17-4 SS H900 Round Bar 2.000" : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643	Firmed	5/24/18	12 ft	0ft 12.51	12 ft	\$103.80/ft MAY 2 6 20	
2	MT-4140-S- 1.250X2.000		AISI 4140 Steel Bar : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	5/18/18	6 ft	0 ft	6 ft	\$29.50/ n MAY 2 6 20	\$177.00

Grand Total: \$1,422.60

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 5/11/18 9:17 AM dart.lavoie.chantal

DAS

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MIT-4- DATE: MAY		<u>R2.0</u> 00		PO / BATCH	NO.: <u>0398</u>	72/5074	804
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	es 31(12 2) (12	.5)	THIC	KNESS ORDEF KNESS RECEIV IT SIZE ORDEF T SIZE RECEIV	(ED: 2-1	000 000 1A	
DESCRIPTION (C	NCR Check Y/N)			COMMENT	S		
SURFACE DAMAGE Y	N						
CORRECT FINISH Y		bliotexe di					
CORROSION	11.7						
CORRECT GRAIN DIRECTION			115/				
CORRECT MATERIAL PER M-DRAWING		m5 564	3				
CORRECT THICKNESS Y	/				****		
PHOTO REQUIRED Y		1/4			4		
CORRECT REF # TO LINK CERT	1,700	WITT S	H04	01-DW	441		
CORRECT MATERIAL IDENTFICATION (Y							
CORRECT M# ON THE MATERIAL) N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	0						
DOES THIS REQUIRE AN EXTRUSION REPORT Y	N						
					100		
CUT SAMPLE PIECE C	F MATER	RIAL AND PR	REFORM	A HARDNES	S CHECK.		
	RECOR	RESULTS	BELOW	1			
	HR	C H	RB	DUR A	DUR D	WEBSTER	
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER READING							
	testers loca	ated in the Qua	lity Offic	2			

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY:

SIGNED OFF BY:

DATE: 9-89 MAY 2 6 2018

DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

(0

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION:

0

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI
(OMITTED)	(CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	(SOLUTION TREATED)		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS

MATERIAL IN 1900 AND 1925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE

CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

0

EXAMPLES:

PART NUMBER M174-R4 000-R2 500 M174-H900-R2 500 M174-H1025-R3 250 M17-4-CONDA-R0 750 PART 4.000" DIAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI 2.500" DIAMETER BAR H1025 CONDITION 3.250" DIAMETER BAR A CONDITION 0.750" DIAMETER BAR A CONDITION

<

3 DELEASED 1 2017 -10- 31 ECN17-728

REV. C SCALE NTS SHEET 1 OF 1 DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
RM17-4-R
SHEE COPYRIGHT © 2005 BY DART AEROSPACE LTD PIS DOCUMENT REPORTED ON THE EXPRESS CONCIN NOT TORK MAY TABLOCKE (ILTERED OF COMMUNICATE) TO MAY ONE THRUST TO THE STANDARD OF THE STA NO DART AEROSPAC
NO HAWKESBURY, ONTARIO, C
CP DRAWING NO.
RA M17-4-R
WM TITLE
CP # 17-4 SS ROUND BAR 17.09.14 MFG. APPR. APPROVED CHECKED DE APPR. DESIGN DRAWN REV. **APPROVED**

17.09.14 10.05.20

02 VS

ADDED MATERIAL CONDITION (CIR17-107)
THEORIAT PAGE STANDITYPE 530 ADDED TO PURCHASE MATERIAL (ZN D9-1), ADD AS64 SPEC (C8-1), REP PAR 09-2004.
NEW ISSUE

8

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AMS 5643 OR ASTM A564

PART NUMBER:

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CERTIFICATE OF TEST CERTIFICAT D'ESAIS

Page 01 of 02

Certification Date 14-MAY-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

44743-J

GRAIN SIZE :6 -

PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number \$707198

510539 SOLD TO: SHIP TO: METAUX SOLUTIONS INC. METAUX SOLUTIONS (RIVE-SUD) VENDU À: EXPÉDIÉ À: 2625 BOUL JACOUES CARTIER EST 2625 BOUL JACQUES CARTIER EST LONGUEUIL OC J4N 1L7 LONGUEUIL OC J4N 1 Description: SOL ANN CF BAR ASTM A564 2 RD X 12' R/L Line Total: 134.694 LB HEAT: SH0401-DWA41 ITEM: 510539 Specifications: ASTM A564 T630 13 ASME SA564 T630 13 AMS 5643 U ASTM E112 AMS 2315 ASTM E340 ASTM A564M 13 ASME SA4564 13 AMS 2303 F NACE MR0175 ASTM F899 12B ASTM A388/A388M 16 EN 10204 3.1 CHEMICAL ANALYSIS ______ SI MN 0.50 0.65 P S NI CR 0.65 0.001 4.29 15.30 0.029 0.08 0.02 NB TA CU NBTA 0.0024 0.23 3.46 0.23 RCPT: R315364 COUNTRY OF ORIGIN : TAIWAN ______ MECHANICAL PROPERTIES _____ %ELONG YLD STR ULT TEN %RED HARDNESS KSI IN 02 IN IN AREA KSI DESCRIPTION 16.0 202.0 56.0 181.0 COND A 202.0 16.0 56.0 DEV: H900 L 181.0

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. //Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. //Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihaut.

JOANNE DESPRES

punas Dusprai

MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST CERTIFICAT D'ESAIS

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT Page 02 of 02

Certification Date 14-MAY-2018

Invoice Number S707198

44743-J

PART NUMBER/NUMÉRO DE PIÈCE

510539

SOLD TO:

METAUX SOLUTIONS INC.

SHIP TO: EXPEDIE A:

METAUX SOLUTIONS

(RIVE-SUD)

VENDU À:

2625 BOUL JACQUES CARTIER EST

LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST

IONGUEUIL OC J4N 1

Description:

17-4 SOL ANN CF BAR

2 RD X 12' R/L

HEAT: SH0401-DWA41

ITEM: 510539

ASTM A564

Line Total: 134.694 LB

MATERIAL IS FREE FROM MERCURY CONTAMINATION

NO WELD REPAIR PERFORMED ON MATERIAL

ULTRASONIC: Y MACRO: OK MICRO1: OK

COMMENTS

country of origin: gmtc, taiwan

red ratio: 68.1.1

mfg process: air melting (eaf+lhf+vod); forged or hot rolled

solution treatment: 1900 =/-25 deg f for 30 min/inch (min of 1/2 hr),

موچيد. در رقي

1.3:

rapidly cooled to below 90 deg f

ferrite: 0.3%

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites cihaut.

JOANNE DESPRES

earne Leuprei

MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des specifications inscrites sur le certificat. We hereby certify that the materix! control by this report will meet the applicable requirements described herein, including any specification forming a part of the description. ./Par les présentes, nous certifions que le matériel cov : par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-1	AY Z	0-5 6 21	1.250	x2.00	0	PO / BATCH	I NO.: <u>639</u>	772/SO7		
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	6	1			THICK	KNESS ORDE KNESS RECEI IT SIZE ORDE T SIZE RECEI	RED: 1	250 150 1A		
DESCRIPTION	(Ch	CR eck (N)		COMMENTS						
SURFACE DAMAGE	Y	(N)								
CORRECT FINISH	(4)	N					**			
CORROSION	Y	(Ń)								
CORRECT GRAIN DIRECTION	(Y)	N								
CORRECT MATERIAL PER M-DRAWING	(8)	N	Astw	A26	29					
CORRECT THICKNESS	(1)	N	10							
PHOTO REQUIRED	Υ	W	1 0							
CORRECT REF # TO LINK CERT	(P)	N	Hait:	# Ki	n9	4731				
CORRECT MATERIAL IDENTFICATION	W	N	J			, , - ,				
CORRECT M# ON THE MATERIAL	(Y)	Ν								
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N))							
DOES THIS REQUIRE AN		1								
EXTRUSION REPORT	Υ	(N)								
CUT SAMPLE PIECE	- OF	MA	ΓΕΡΙΔΙ Δ	ND PRE	FORM	1 A HARDNE	SS CHECK			
OOT OAWI LETTEOL			ORD RES				OF TEOR.			
			HRC	HRE		DUR A	DUR D	WEBSTER		

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: DAS	SIGNED OFF BY:
DATE: 9-89 MAY 2 6 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

TYPE OF MATERIAL SIZE OF TEST SAMPLE

HARDNESS / DUROMETER READING



2625, Boul. Jacques-Cartier Est Longueuil (Québec) J4N 1L7

info@metauxsolutions.com T 450 641-3330 Ext: 1-800-967-2003

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7

25 mai 2018

Part Number/ Description

MST12500

Plate 1-1/4

34.00000 x 146.00000

ASTM A-829

DFARS Compliant Lot: 425801A

C: 0.4070

Mn: 0.7600 Cr: 0.9700

Mo: 0.1500

Cu: 0.2160

PM Heat: 94731

P: 0.0070

S: 0.0010 V: 0.0350 BHN: 308

Shipped Qty

1,795 Pounds

Si: 0.2010 Ni: 0.1500

ITEM 2:

1 X 2" X 72"

COMMANDE: 135179

REF: 39872

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par

FRACTIONS ± 1/8
ANGLES ± .5°
SURFACE
ROUGHNESS APPROVED AISI 4140 / 4142 STEEL SHEET OR PLATE M NM NM MT-4140-S 18.2.13 DATE 1 INTTALS AND DATE

DESIGNED BY: VM 2/13/20/18

CHECKED BY: VM 02/13/20/18

MH O REVIEW BY: DD 02/13/20/18

APPROVED BY: ML 02/14/20/18

APPROVED BY: ML 02/14/20/18 ECN# 2 MT-4140-S-[T.TTT] x [W.WWW] WHERE "T.TT" = THICKNESS IN INCHES WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE) malac DESCRIPTION NEW ISSUE EX. 0.063" THICK SHEET = MT-4140-S-0.063 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500 3 SPECIFICATION CONTROL DRAWING PURCHASE MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc REV. ASTM A829 AMS 6395 SPECIFICATION: PART NUMBER: 9 8 ۵ O ω X

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